
























# Video Security Line-up 2010

Version 1

IP Fixed Cameras

Model name (*1)	SNC-P1	SNC-CS10	SNC-CS11	SNC-CS20	SNC-CS50N/P	SNC-CM120	NEW SNC-CH120	SNC-CH140	NEW SNC-CH240	NEW SNC-CH160	NEW SNC-CH180	NEW SNC-CH280	NEW SNC-CH210	
														
Video compression format	JPEG/MPEG-4			JPEG/MPEG-4	JPEG/MPEG-4/H.264	JPEG/MPEG-4	JPEG/MPEG-4/H.264		JPEG/MPEG-4/H.264					
Codec Streaming Capability	Single streaming (JPEG/MPEG4 selectable)						Dual streaming (JPEG and MPEG-4 combination only)		Dual streaming (Any combination with JPEG/MPEG-4/H.264, including multiple streams of the same format)					
HD/Megapixel (*2)	SD	SD	SD	SD	SD	Megapixel	<b>HD</b>	<b>HD</b>	<b>HD Full HD</b>	<b>HD</b>	<b>HD</b>	<b>HD Full HD</b>	<b>HD Full HD</b>	
Ingress protection	No	No	No	No	No	No	No	No	No	No	IP66	IP66	IP66	
IR illuminators	No	No	No	No	No	No	No	No	No	IR	IR	IR	No	
Optical zoom ratio	Fixed focal lens (f=3.8 mm)	Lens not included	2.7x optical zoom	2.7x optical zoom	2.7x optical zoom	2.1x optical zoom	2.7x optical zoom	2.7x optical zoom	2.1x optical zoom	2.9x optical zoom	2.9x optical zoom	2.9x optical zoom	Fixed focal lens (f=3.3 mm)	
Lens mount	Built-in	CS mount	CS mount	CS mount	CS mount	CS mount	CS mount	CS mount	CS mount	Built-in	Built-in	Built-in	Built-in	
Imager	1/4-type Progressive Scan CCD	1/4-type Progressive Scan CCD	1/4-type Progressive Scan CCD	1/4-type Progressive Scan CCD	1/3-type Progressive with ExwavePRO CCD	1/3-type Progressive with ExwavePRO CCD	1/3-type progressive scan Exmor CMOS Sensor	1/3-type progressive scan Exmor CMOS Sensor	1/3-type progressive scan Exmor CMOS Sensor	1/3-type progressive scan Exmor CMOS Sensor	1/3-type progressive scan Exmor CMOS Sensor	1/2.8-type progressive scan Exmor CMOS Sensor	1/2.8-type progressive scan Exmor CMOS Sensor	
Minimum illumination	1.2 lx (AGC ON, F2.0, 30IRE)	1.7 lx (50 IRE, F1.0, AGC ON)	1.7 lx (50 IRE, F1.0, AGC ON)	Color: 0.2 lx, B/W: 0.01 lx (50IRE, F1.0, AGC ON) 20 fps MPEG-4 at VGA	Color: 0.4 lx, B/W: 0.04 lx (50 IRE, F 0.95, AGC ON)	Color: 0.8 lx, B/W: 0.07 lx (50IRE, F1.3, AGC ON)/ Color: 0.2 lx, B/W: 0.01 lx (Light Funnel ON, 50IRE, F1.3, AGC ON)	Color: 0.2 lx, B/W: 0.1 lx (F1.2/View-DR OFF/XDNR ON-Middle/VE OFF/ AGC High/50 IRE [PI])	Color: 0.2 lx, B/W: 0.1 lx (F1.2/View-DR OFF/XDNR ON-Middle/VE OFF/ AGC High/50 IRE [PI])	Color: 0.2 lx, B/W: 0.1 lx (F1.2/View-DR OFF/XDNR ON-Middle/VE OFF/ AGC High/50 IRE [PI])	Color: 0.2 lx, B/W: 0.1 lx (F1.2/View-DR OFF/XDNR ON-Middle/VE OFF/ AGC High/50 IRE [PI])	Color: 0.2 lx, B/W: 0.1 lx (F1.2/View-DR OFF/XDNR ON-Middle/VE OFF/ AGC High/50 IRE [PI])	Color: 0.2 lx, B/W: 0.1 lx (F1.2/View-DR OFF/XDNR ON-Middle/VE OFF/ AGC High/50 IRE [PI])	Color: 0.2 lx, B/W: 0.1 lx (F1.2/View-DR OFF/XDNR ON-Middle/VE OFF/ AGC High/50 IRE [PI])	
Maximum frame rate (*3)	18 fps JPEG, 15 fps MPEG at VGA resolution	18 fps JPEG at VGA resolution, 15 fps MPEG-4 at VGA resolution	18 fps JPEG at VGA resolution, 15 fps MPEG-4 at VGA resolution	30 fps MPEG-4 at VGA resolution, 30 fps JPEG at 768 x 576 resolution	30/25 fps JPEG/MPEG-4 at 704 x 480/704 x 576 resolution, 10/8 fps H.264 at 704 x 480/704 x 576 resolution	30 fps JPEG/MPEG-4 at VGA resolution (Light Funnel ON), 15 fps JPEG at 1280 x 960/MPEG-4 at VGA resolution	30 fps H.264/JPEG/MPEG-4 at 1280 x 720	30 fps H.264/JPEG/MPEG-4 at 1280 x 720	30 fps H.264 at 1920 x 1080, 25 fps MPEG-4 at 1920 x 1080, 15 fps JPEG at 1920 x 1080	30 fps H.264/JPEG/MPEG-4 at 1280 x 720	30 fps H.264/JPEG/MPEG-4 at 1280 x 720	30 fps H.264 at 1920 x 1080, 25 fps MPEG-4 at 1920 x 1080, 15 fps JPEG at 1920 x 1080	30 fps H.264/JPEG/MPEG-4 at 1280 x 720, 25 fps MPEG-4 at 1280 x 720, 15 fps JPEG at 1920 x 1080, 7 fps JPEG at 2048 x 1536 (TBD)	
Maximum resolution (*4)	640 x 480	640 x 480	640 x 480	768 x 576	704 x 480 / 704 x 576	1280 x 960 (1.2 Megapixel)	1280 x 1024 (1.3 Megapixel)	1280 x 1024 (1.3 Megapixel)	1920 x 1440 (3 Megapixel)	1280 x 1024 (1.3 Megapixel)	1280 x 1024 (1.3 Megapixel)	1920 x 1440 (3 Megapixel)	2048 x 1536 (3 Megapixel) electrical D/N	
Day/Night	No	No	No	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	
Wide-D Visibility Enhancer (VE)	No	No	No	No	No	No	No	<b>View-DR VE</b>	<b>View-DR VE</b>	No	<b>View-DR VE</b>	<b>View-DR VE</b>	No	
Noise Reduction	No	No	No	No	No	No	Yes	XDNR	XDNR	Yes	XDNR	XDNR	Yes	
Card slot(s)	No	No	No	No	PC card x1	No	No	CF card x1	CF card x1	No	CF card x1	CF card x1	No	
Wireless Capability	No	No	No	No	Yes (option)	No	No	Yes (option)	Yes (option)	No	Yes (option)	Yes (option)	No	
Composite video output	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
DEPA (Intelligence)	No	No	No											
ONVIF	No	No	No	No	No	No	<b>ONVIF</b>	<b>ONVIF</b>	<b>ONVIF</b>	<b>ONVIF</b>	<b>ONVIF</b>	<b>ONVIF</b>	<b>ONVIF</b>	
Power requirement	DC 12V	AC 24, DC 12 V	AC 24, DC 12 V, PoE	AC 24, DC 12 V, PoE	AC 24, DC 12 V, PoE	AC 24, DC 12 V, PoE	PoE	AC 24, DC 12 V, PoE	AC 24, DC 12 V, PoE	PoE	AC 24, DC 12 V, PoE	AC 24, DC 12 V, PoE	PoE	
Dimensions	Camera: 100 x 36 x 139 mm (4 x 1 7/16 x 5 1/2 inches) Stand: 120 x 142 x 150mm (4 3/4 x 5 5/8 x 6 inches)	70 x 57 x 116 mm (2 7/8 x 2 1/4 x 4 5/8 inches)	70 x 57 x 158 mm (2 7/8 x 2 1/4 x 6 1/4 inches)	82.5 x 63 x 176.2 mm (3 1/4 x 2 1/2 x 7 inches)	84 x 69 x 196 mm (3 3/8 x 2 3/4 x 7 3/4 inches) excl. cover equipment 84 x 69 x 265 mm (3 3/8 x 2 3/4 x 10 1/2 inches) incl. cover equipment	82.5 x 63 x 187.5 mm (3 1/4 x 2 1/2 x 7 1/2 inches)	72 x 63 x 197 mm (2 7/8 x 2 1/2 x 7 7/8 inches)	72 x 63 x 197 mm (2 7/8 x 2 1/2 x 7 7/8 inches)	72 x 63 x 197.6 mm (2 7/8 x 2 1/2 x 7 7/8 inches)	85 x 90 x 186 mm (3 3/8 x 3 5/8 x 7 3/8 inches)	85 x 90 x 186 mm (3 3/8 x 3 5/8 x 7 3/8 inches)	TBD	ø 44 x 93 mm (1 3/4 x 3 3/4 inches) (TBD)	

(\*1) When the model name includes "/" (slash) such as "SNC-CS50N/P" in this table, please read as "SNC-CS50N" (NTSC model) and "SNC-CS50P" (PAL model). (\*2) Definition of HD: More than 720p with H.264 streaming capability at more than 30/25 fps. (\*3) When the frame rate includes "/" such as "30/25fps" in this table, please read as "30 fps"(NTSC model) and "25fps"(PAL model). (\*4) When the Maximum resolution includes "/" such as "704x480/704x576" in this table, please read as "704x480" (NTSC) and "704x576" (PAL). (\*5) DEPA Intelligent Object Detection is included in this model.

Connect Your Vision



Accessories



SCA-S30



SCA-M30



SNCA-JOYSTICK1



SNCA-WMMD3



SNCA-HFIXSTD/24 & SNCA-HFIXSTD/230



SNCA-HRZ50/EXT



































SNCA-POWERBOX



SNCA-POE1

IP Mini Dome Cameras

Model name (*)	SNC-DF50N/P	SNC-DF80N/P	SNC-DF85N/P	SNC-DS10	SNC-DS60	SNC-DM110	SNC-DM160	NEW SNC-DH120	SNC-DH140	NEW SNC-DH240	NEW SNC-DH120T	NEW SNC-DH140T	NEW SNC-DH240T	NEW SNC-DH160	NEW SNC-DH180	NEW SNC-DH280
																
	JPEG/MPEG-4/H.264			JPEG/MPEG-4				E Series	V Series	V Series	E Series	V Series	V Series	E Series	V Series	V Series
Video compression format	JPEG/MPEG-4/H.264			JPEG/MPEG-4				JPEG/MPEG-4/H.264								
Codec Streaming Capability	Dual streaming (JPEG and MPEG-4 combination only)			Dual streaming (JPEG and MPEG-4 combination only)				Dual streaming (Any combination with JPEG/MPEG-4/H.264, including multiple streams of the same format)								
HD/Megapixel (*)	SD	SD	SD	SD	SD	Megapixel	Megapixel	HD	HD	HD FullHD	HD	HD	HD FullHD	HD	HD	HD FullHD
Ingress Protection	No	IP66	IP66	No	IP66	No	IP66	No	No	No	No	No	No	No	IP66	IP66
Vandal Resistant	No	IK10	IK10	No	IK10	No	IK10	No	No	No	IK10	IK10	IK10	IK10	IK10	IK10
IR Illuminators	No	No	No	No	No	No	No	No	No	No	No	No	No	IR	IR	IR
Optical zoom ratio	3.6x optical zoom	3.6x optical zoom	3.6x optical zoom	3.6x optical zoom	3.6x optical zoom	3.6x optical zoom	3.6x optical zoom lens	2.9x optical zoom	2.9x optical zoom	2.9x optical zoom	2.9x optical zoom	2.9x optical zoom	2.9x optical zoom	2.9x optical zoom	2.9x optical zoom	2.9x optical zoom
Imager	1/3-type CCD with DynaView	1/3-type Super Exwawe CCD	1/3-type CCD with DynaView	1/4-type Progressive Scan CCD with ExwawePRO	1/4-type Progressive Scan CCD with ExwawePRO	1/3-type Progressive Scan CCD with ExwawePRO	1/3-type Progressive Scan CCD with ExwawePRO	1/3-type progressive scan Exmor CMOS sensor	1/3-type progressive scan Exmor CMOS sensor	1/2.8-type progressive scan Exmor CMOS sensor	1/3-type progressive scan Exmor CMOS sensor	1/3-type progressive scan Exmor CMOS sensor	1/2.8-type progressive scan Exmor CMOS sensor	1/3-type progressive scan Exmor CMOS sensor	1/3-type progressive scan Exmor CMOS sensor	1/2.8-type progressive scan Exmor CMOS sensor
Minimum illumination	0.7 lx (50IRE, F1.3, AGC ON)	Color: 0.6 lx, B/W: 0.06 (50IRE, F1.3, AGC ON)	Color: 0.6 lx, B/W: 0.06 (50IRE, F1.3, AGC ON)	0.15 lx (50IRE, F1.3, AGC ON)	Color: 0.15 lx, B/W: 0.01 lx (50IRE, F1.3, AGC ON)	0.4 lx (50IRE, F1.3, AGC ON)/ 0.1 lx (Light Funnel ON, 50IRE, F1.3, AGC ON)	Color: 0.4 lx, B/W: 0.08 lx (50IRE, F1.3, AGC ON)/ Color: 0.1 lx, B/W: 0.01 lx (Light Funnel ON, 50IRE, F1.3, AGC ON)	TBD	Color : 0.2 lx, B/W: 0.1 lx (F1.2 View-DR OFF/XDNR ON-Middle/VE OFF/AGC High/50 IRE [IP])	TBD	TBD	Color : 0.2 lx, B/W: 0.1 lx (F1.2 View-DR OFF/XDNR ON-Middle/VE OFF/AGC High/50 IRE [IP])	TBD	TBD	Color : 0.2 lx, B/W: 0.1 lx (IR ON) (F1.2 View-DR OFF/XDNR ON-Middle/VE OFF/AGC High/50 IRE [IP])	TBD
Maximum frame rate (*)	30/25 fps JPEG/MPEG-4 at 704 x 480 /704 x 576 resolution, 10/8 fps H.264 at VGA resolution	30/25 fps JPEG/MPEG-4 at 704 x 480 /704 x 576 resolution, 10/8 fps H.264 at VGA resolution	30/25 fps JPEG/MPEG-4 at 704 x 480 /704 x 576 resolution, 10/8 fps H.264 at VGA resolution	30 fps MPEG-4 at VGA resolution, 30 fps JPEG at 768 x 576 resolution	30 fps MPEG-4 at VGA resolution, 30 fps JPEG at 768 x 576 resolution	30 fps JPEG/MPEG-4 at VGA resolution (Light Funnel ON), 15 fps 1280 x 960 resolution	30 fps JPEG/MPEG-4 at VGA resolution (Light Funnel ON), 15 fps 1280 x 960 resolution	30 fps H.264/MPEG-4 /JPEG at 1280 x 720	30 fps H.264/MPEG-4 /JPEG at 1280 x 720	30 fps H.264 at 1920 x 1080 /MPEG-4 /JPEG at 1920 x 1080 /15 fps JPEG at 1920 x 1080	30 fps H.264/MPEG-4 /JPEG at 1280 x 720	30 fps H.264/MPEG-4 /JPEG at 1280 x 720	30 fps H.264 at 1920 x 1080 /MPEG-4 /JPEG at 1920 x 1080 /15 fps JPEG at 1920 x 1080	30 fps H.264 at 1920 x 1080 /MPEG-4 /JPEG at 1280 x 720	30 fps H.264/MPEG-4 /JPEG at 1280 x 720	30 fps H.264 at 1920 x 1080 /MPEG-4 /JPEG at 1920 x 1080 /15 fps JPEG at 1920 x 1080
Maximum resolution (*)	704 x 480 / 704 x 576	704 x 480 / 704 x 576	704 x 480 / 704 x 576	768 x 576	768 x 576	1280 x 960 (1.2 Megapixel)	1280 x 960 (1.2 Megapixel)	1280 x 1024 (1.3 Megapixel)	1280 x 1024 (1.3 Megapixel)	1920 x 1440 (3 Megapixel)	1280 x 1024 (1.3 Megapixel)	1280 x 1024 (1.3 Megapixel)	1920 x 1440 (3 Megapixel)	1280 x 1024 (1.3 Megapixel)	1280 x 1024 (1.3 Megapixel)	1920 x 1440 (3 Megapixel)
Day/Night	No	Day/Night	Day/Night	No	Day/Night	No	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night
Wide-D Visibility Enhancer (VE)	<b>DynaView</b>	No	<b>DynaView</b>	No	No	No	No	No	<b>View-DR VE</b>	<b>View-DR VE</b>	No	<b>View-DR VE</b>	<b>View-DR VE</b>	No	<b>View-DR VE</b>	<b>View-DR VE</b>
Noise Reduction	No	No	No	No	No	No	No	Yes	XDNR	XDNR	Yes	XDNR	XDNR	Yes	XDNR	XDNR
Card slot(s)	No	CF card x1	CF card x1	No	No	No	No	No	No	No	No	No	No	No	No	No
Wireless capability	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Composite video output	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DEPA (Intelligence)		 (*)	 (*)													
ONVIF	No	No	No	No	No	No	No	Onvif	Onvif	Onvif	Onvif	Onvif	Onvif	Onvif	Onvif	Onvif
Power requirement	AC 24V, DC 12V, PoE	AC 24V, DC 12V, PoE	AC 24V, DC 12V, PoE	AC 24V, DC 12V, PoE	AC 24V, DC 12V, PoE	AC 24V, DC 12V, PoE	AC 24V, DC 12V, PoE	PoE	AC 24V, DC 12V, PoE	AC 24V, DC 12V, PoE	PoE	AC 24V, DC 12V, PoE	AC 24V, DC 12V, PoE	PoE	AC 24V, DC 12V, PoE	AC 24V, DC 12V, PoE
Dimensions	ø126 x 140.5 mm (5 x 5 5/8 inches)	ø177.5 x 141.5 mm (7 x 5 5/8 inches)	ø177.5 x 141.5 mm (7 x 5 5/8 inches)	ø140 x 118 mm (5 5/8 x 4 3/4 inches)	ø166 x 119 mm (6 5/8 x 4 3/4 inches)	ø140 x 118 mm (5 5/8 x 4 3/4 inches)	ø166 x 119 mm (6 5/8 x 4 3/4 inches)	ø140 x 118 mm (5 5/8 x 4 3/4 inches)	ø140 x 118 mm (5 5/8 x 4 3/4 inches)	ø140 x 118 mm (5 5/8 x 4 3/4 inches)	TBD	ø140 x 119 mm (5 5/8 x 4 3/4 inches)	ø140 x 119 mm (5 5/8 x 4 3/4 inches)	ø166 x 119 mm (6 5/8 x 4 3/4 inches)	ø166 x 119 mm (6 5/8 x 4 3/4 inches)	ø166 x 119 mm (6 5/8 x 4 3/4 inches) Tentative

(\*) When the model name includes "/" (slash) such as "SNC-DF50N/P" in this table, please read as "SNC-DF50N" (NTSC model) and "SNC-DF50P" (PAL model). (\*) Definition of HD: More than 720p with H.264 streaming capability at more than 30/25 fps (\*) When the frame rate includes "/" such as "30/25fps" in this table, please read as "30 fps"(NTSC) and "25fps"(PAL). In the same manner, "704x480/704x576" means "704x480"(NTSC) and "704x576"(PAL). (\*) When the Maximum resolution includes "/" such as "704x480/704x576" in this table, please read as "704x480"(NTSC) and "704x576"(PAL). (\*) DEPA Intelligent Object Detection is included in this model.

Connect Your Vision



Video Management Software RealShot Manager Advanced



Key Features: RSM Advanced

- Easy to use and understand graphical user interface
- Automatic camera registration
- Simple yet powerful recording capabilities
- Advance image search functions
- Hot spot monitoring function
- Flexible custom screen layouts
- Totally scalable with multiple camera options
- Open platform

Benefits: RSM Advanced

- Minimal operator training required
- Quick and easy set up of Sony IP cameras
- Manual, event and scheduled recording available
- Locate required images quickly and easily
- Provides detailed view for area of interest
- Allows user defined graphical interface options
- System expansion to meet your requirement via IMZ-NS101, NS104, NS109 and NS116, 1, 4, 9 and 32 channels options
- Powerful system flexibility via support of third-party IP cameras

RSM Lite

Entry recording software: RSM Lite

- Up to 9ch recording/monitoring
- HD/Full HD resolution support
- Easy setup wizard
- Free of charge
- Upgradeable to RealShot Manager Advanced (License required)

- IMZ-NS101M
- IMZ-NS104M
- IMZ-NS109M
- IMZ-NS116M
- IMZ-NS132M



Model name (*1)	SNC-P5	SNC-RZ25N/P	SNC-RZ50N/P	SNC-RX530N/P	SNC-RX550N/P	SNC-RX570N/P	SNC-RS44N/P	SNC-RS46N/P	SNC-RS84N/P	SNC-RS86N/P	SNC-RH124	SNC-RH164	
Video compression format	JPEG/MPEG-4		JPEG/MPEG-4/H.264				JPEG/MPEG-4/H.264						
Codec Streaming Capability	Single streaming (JPEG/MPEG4 selectable)		Dual streaming (JPEG and MPEG-4 combination only)				Triple streaming (Any combination with JPEG/MPEG-4/H.264, including multiple streams of the same format)				Dual streaming (Any combination with JPEG/MPEG-4/H.264, including multiple streams of the same format)		
HD/Megapixel (*2)	SD	SD	SD	SD	SD	SD	SD	SD	SD	SD	<b>HD</b>	<b>HD</b>	
Ingress Protection	No	No	No	No	No	No	No	No	IP66	IP66	No	IP66	
Vandal Resistant	No	No	No	No	No	No	No	No	IK10	IK10	No	IK10	
Optical zoom ratio	3x optical zoom	18x optical zoom	26x optical zoom	18x optical zoom	26x optical zoom	36x optical zoom	18x optical zoom	36x optical zoom	18x optical zoom	36x optical zoom	10x optical zoom	10x optical zoom	
Imager	1/4-type progressive scan CCD	1/4-type Exwave HAD CCD	1/4-type Super HAD CCD	1/4-type Exwave HAD CCD	1/4-type Exwave HAD CCD	1/4-type Exwave HAD CCD	1/4-type Exwave HAD CCD	1/4-type Exwave HAD CCD	1/4-type Exwave HAD CCD	1/4-type Exwave HAD CCD	1/3-type HD CMOS	1/3-type HD CMOS	
Minimum illumination	3.5 lx (30IRE, AGC ON)	Color: 0.7 lx, B/W: 0.06 lx (50IRE, F1.4, AGC ON)	Color: 2.2 lx, B/W: 0.15 lx (50IRE, F1.6, AGC ON)	Color: 0.7 lx (50IRE, F1.4, AGC ON), B/W: 0.15 lx (50IRE, F1.4, AGC ON)	Color: 1 lx, B/W: 0.15 lx (50IRE, F1.6, AGC ON)	Color: 1.4 lx, B/W: 0.15 lx (50IRE, F1.6, AGC ON)	(*3) Color: 0.4lx, B/W: 0.08lx (50IRE, XDNR ON, VE ON, Slow Shutter OFF)	(*3) Color: 0.4lx, B/W: 0.08lx (50IRE, XDNR ON, VE ON, Slow Shutter OFF)	(*4) Color: 0.7lx, B/W: 0.08lx (50IRE, XDNR ON, VE ON, Slow Shutter OFF)	(*4) Color: 0.7lx, B/W: 0.08lx (50IRE, XDNR ON, VE ON, Slow Shutter OFF)	Color: 1.9lx, B/W: 0.17lx (50IRE, XDNR ON, VE ON, Slow Shutter OFF)	Color: 2.1lx, B/W: 0.19lx (50IRE, XDNR ON, VE ON, Slow Shutter OFF)	
Maximum frame rate (*5)	18 fps JPEG or 15 fps MPEG-4 at VGA resolution, 30 fps JPEG or MPEG-4 at QVGA resolution	18 fps JPEG or 15 fps MPEG-4 at VGA resolution, 30/25 fps JPEG or MPEG-4 at QVGA resolution	30/25 fps JPEG/MPEG-4 at 704x480/704x576 resolution, 10/8 fps H.264 at 704x480/704x576 resolution	30/25 fps JPEG/MPEG-4 at 704x480/704x576 resolution, 10/8 fps H.264 at 704x480/704x576 resolution	30/25 fps JPEG/MPEG-4 at 704x480/704x576 resolution, 10/8 fps H.264 at 704x480/704x576 resolution	30/25 fps JPEG/MPEG-4 at 704x480/704x576 resolution, 10/8 fps H.264 at 704x480/704x576 resolution	30/25 fps H.264/MPEG-4/JPEG at 720x480/720x576 resolution	30/25 fps H.264/MPEG-4/JPEG at 720x480/720x576 resolution	30/25 fps H.264/MPEG-4/JPEG at 720x480/720x576 resolution	30/25 fps H.264/MPEG-4/JPEG at 720x480/720x576 resolution	30fps H.264 at 1280x720	30fps H.264 at 1280x720	
Maximum resolution (*6)	640 x 480	640 x 480	704 x 480 / 704 x 567	704 x 480 / 704 x 567	704 x 480 / 704 x 567	704 x 480 / 704 x 567	704 x 480 / 704 x 567	704 x 480 / 704 x 567	704 x 480 / 704 x 567	704 x 480 / 704 x 567	1280 X 720	1280 X 720	
Day/Night	No	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	
Wide-D	No	No	No	No	No	<b>DynaView</b>	<b>DynaView</b>	<b>DynaView</b>	<b>DynaView</b>	<b>DynaView</b>	VE	VE	
Visibility Enhancer (VE)	No	No	No	No	No	<b>DynaView</b>	<b>DynaView</b>	<b>DynaView</b>	<b>DynaView</b>	<b>DynaView</b>	VE	VE	
Noise Reduction	No	No	Yes	Yes	Yes	No	XDNR	XDNR	XDNR	XDNR	XDNR	XDNR	
Card slot(s)	CF card x1	CF card x1	PC card x1, CF card x1	PC card x1, Memory Stick x1	PC card x1, Memory Stick x1	PC card x1, Memory Stick x1	CF card x1	CF card x1	CF card x1	CF card x1	CF card x1	CF card x1	
Wireless capability	Yes (option)	Yes (option)	Yes (option)	Yes (option)	Yes (option)	Yes (option)	Yes (option)	Yes (option)	Yes (option)	Yes (option)	Yes (option)	Yes (option)	
Composite video output	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
DEPA (Intelligence)	No	No											
ONVIF	No	No	No	No	No	No	<b>ONVIF</b>	<b>ONVIF</b>	<b>ONVIF</b>	<b>ONVIF</b>	<b>ONVIF</b>	<b>ONVIF</b>	
"Rapid Dome" or "PTZ"	PTZ	PTZ	PTZ	Rapid Dome	Rapid Dome	Rapid Dome	Rapid Dome	Rapid Dome	Rapid Dome	Rapid Dome	Rapid Dome	Rapid Dome	
Pan angle	-60° to +60°	-170° to +170°	-170° to +170°	360°endless	360°endless	360°endless	360°endless	360°endless	360°endless	360°endless	360°endless	360°endless	
Tilt angle	-65° to +10°	0° to +120°	0° to +115°	0° to -90°	0° to -90°	0° to -90°	-105°to +105° (210°tilt)	-105°to +105° (210°tilt)	-105°to +105° (210°tilt)	-105°to +105° (210°tilt)	-105°to +105° (210°tilt)	-105°to +105° (210°tilt)	
"Quick Release" mechanism	No	No	No	No	No	No	Quick Release	Quick Release	Quick Release	Quick Release	Quick Release	Quick Release	
Power requirement	DC 12V	AC 24V, DC12V	DC 12V	AC 24V, DC 12V	AC 24V, DC 12V	AC 24V, DC 12V	AC 24V, DC 12V, hPoE (*8)	AC 24V, DC 12V, hPoE (*8)	AC 24V	AC 24V	AC 24V, DC 12V, hPoE (*8)	AC 24V	
Dimensions	Camera: 130 x 130 x 110 mm (5 1/8 x 5 1/8 x 4 3/8 inches) Stand: 130 x 178 x 142 mm (5 1/8 x 7 1/8 x 5 5/8 inches)	140 x 200 x 148 mm (5 5/8 x 8 7/8 x 5 7/8 inches)	140 x 166 x 142 mm (5 5/8 x 6 5/8 x 5 5/8 inches)	160 x 160 x 230 mm (6 3/8 x 6 3/8 x 9 1/8 inches)	160 x 160 x 230 mm (6 3/8 x 6 3/8 x 9 1/8 inches)	160 x 160 x 230 mm (6 3/8 x 6 3/8 x 9 1/8 inches)	160 x 160 x 230 mm (6 3/8 x 6 3/8 x 9 1/8 inches)	Ø 154 x 226 mm (6 1/8 x 9 inches)	Ø 154 x 226 mm (6 1/8 x 9 inches)	Ø 238 x 344 mm (9 3/8 x 13 5/8 inches)	Ø 238 x 344 mm (9 3/8 x 13 5/8 inches)	Ø 154 x 226 mm (6 1/8 x 9 inches)	Ø 238 x 346 mm (9 3/8 x 13 5/8 inches)

(\*1) When the model name includes "P" (slash) such as "SNC-RX530N/P" in this table, please read as "SNC-RX530N" (NTSC model) and "SNC-RX530P" (PAL model). (\*2) Definition of HD: More than 720p with H.264 streaming capability of more than 30/25 fps. (\*3) Min. illumination of Analog Video Output of SNC-RS44N/P and SNC-RS46N/P is different from IP video output. Color: 0.7lx, B/W: 0.15lx (50IRE, Slow Shutter OFF). (\*4) Min. illumination of Analog Video of SNC-RS84N/P and SNC-RS86N/P is as follows. Color: 1.4lx, B/W: 0.15lx (50IRE, Slow Shutter OFF). (\*5) When the frame rate includes "P" such as "30/25fps" in this table, please read as "30fps"(NTSC) and "25fps"(PAL). In the same manner, "704x480/704x576" means "704x480" (NTSC) and "704x576" (PAL). (\*6) When the Maximum resolution includes "P" such as "704x480/704x576" in this table, please read as "704x480"(NTSC) and "704x576"(PAL). (\*7) DEPA Intelligent Object Detection is included in this model. (\*8) hPoE is available from the firmware version 1.2.

Connect Your Vision



Primesupport



**Using the Services**  
 Before any services can be provided under a PrimeSupport or PrimeSupport Plus agreement, the agreement needs to have been registered. See the section "Registration" for more details. The helpdesk is central to any PrimeSupport or PrimeSupport Plus agreement. The multilingual team (English, French, German, Italian and Spanish) provide advice on functionality and are the first point of contact for any service request. They can also help with any registration queries. If a repair or replacement is needed, they will arrange for the courier to collect the faulty unit and provide a replacement or return the repaired unit. The helpdesk contact number is **00 800 7898 7898**. Please note this is an international free phone number, using **00800** not the standard **0800**. If you experience problems with this line, an alternative telephone number is **00 44 (0) 1256 683854**.

**Standard Warranty**  
 In general Sony warranty means that products will be free from defects for one year from date of purchase. Any defective units are returned to place of purchase where they are repaired either by the dealer, the CSO or through a central repair centre.

**PrimeSupport**  
 PrimeSupport is a service which offers significantly more than just a standard warranty. Based on research, the services that are included with PrimeSupport are valuable by all our users and as such it is applied to all shipped products where it can be delivered.


**PrimeSupport Plus**  
 is a new brand which covers chargeable contracts. The service level builds on PrimeSupport and provides services which will be of interest to specific segments of the market.




	NSR-1200	NSR-1100	NSR-1050H
			
<b>Video/Recording</b>			
Number of cameras supported	Max. 64 (IP/Analog total)	Max. 32 (IP/Analog total)	Max. 20 (IP/Analog total)
Number of analog cameras	Max. 16 (option <sup>*7</sup> )	Max. 16 (option <sup>*7</sup> )	Max. 16
Video compression (IP camera)	H.264 / MPEG-4 / JPEG	H.264 / MPEG-4 / JPEG	H.264 / MPEG-4 / JPEG
Maximum recording rate (IP/Analog total) <sup>*1</sup>	480 fps VGA (640 × 480) at JPEG, 480 fps CIF (352 x 240)	240 fps VGA (640 × 480) at JPEG, 480 fps CIF (352 x 240)	120 fps VGA (640 × 480) at JPEG, 480 fps CIF (352 x 240)
Hard disk drives (Physical capacity)	2 TB (500 GB x4)	1 TB (500 GB x2)	500 GB (500 GB x1)
Hard disk drives (Interface)	Serial ATA	Serial ATA	Serial ATA
Hard disk drives (RAID level)	RAID 5	RAID 0	-
Hard disk drives (Recording capacity)	Approx. 1366 GB	Approx. 886 GB	Approx. 443 GB
Optical disc drive	DVD/CD Drive x1 (DVD-R, DVD+R, DVD-ROM, CD-ROM, CD-R, CD-RW)	DVD/CD Drive x1 (DVD-R, DVD+R, DVD-ROM, CD-ROM, CD-R, CD-RW)	DVD/CD Drive x1 (DVD-R, DVD+R, DVD-ROM, CD-ROM, CD-R, CD-RW)
Expansion storage	Supports NSRE-S200 (2000 GB) (Max. 7 Units)	Supports NSRE-S200 (2000 GB) (Max. 7 Units)	Supports NSRE-S200 (2000 GB) (Max. 7 Units)
<b>Analog Camera Input<sup>*2</sup></b>			
Analog camera interface	Video input x16, Audio input x4	Video input x16, Audio input x4	Video input x16, Audio input x4 (supplied cable)
Video compression	MPEG-4	MPEG-4	MPEG-4
Resolution	NTSC: 704 x 480, 704 x 240, 352 x 240 PAL : 704 x 576, 704 x 288, 352 x 288	NTSC: 704 x 480, 704 x 240, 352 x 240 PAL : 704 x 576, 704 x 288, 352 x 288	NTSC: 704 x 480, 704 x 240, 352 x 240 PAL : 704 x 576, 704 x 288, 352 x 288
Maximum frame rate <sup>*3</sup>	NTSC: 120 fps 704 x 480, 240 fps 704 x 240, 480 fps 352 x 240 PAL : 100 fps 704 x 576, 200 fps 704 x 288, 400 fps 352 x 288	NTSC: 120 fps 704 x 480, 240 fps 704 x 240, 480 fps 352 x 240 PAL : 100 fps 704 x 576, 200 fps 704 x 288, 400 fps 352 x 288	NTSC: 120 fps 704 x 480, 240 fps 704 x 240, 480 fps 352 x 240 PAL : 100 fps 704 x 576, 200 fps 704 x 288, 400 fps 352 x 288
<b>Video Output</b>			
Monitor OUT 1 <sup>*4</sup>	HDMI (Type A) x1 and D-sub 15-pin x2 (front and rear)	HDMI (Type A) x1 and D-sub 15-pin x2 (front and rear)	HDMI (Type A) x1 and D-sub 15-pin x2 (front and rear)
Monitor OUT 2 <sup>*4</sup>	HDMI (Type A) x1 or D-sub 15-pin x1 (rear)	HDMI (Type A) x1 or D-sub 15-pin x1 (rear)	HDMI (Type A) x1 or D-sub 15-pin x1 (rear)
<b>Audio</b>			
Audio line OUT	RCA-pin L/R x1 Stereo Pair	RCA-pin L/R x1 Stereo Pair	RCA-pin L/R x1 Stereo Pair
Maximum number of audio channels	64	32	20
<b>Sensor Input/Alarm Output</b>			
Sensor input	8-channel photo-coupler (DC 3.3 to 24 V)	8-channel photo-coupler (DC 3.3 to 24 V)	8-channel photo-coupler (DC 3.3 to 24 V)
Alarm output	8-channel mechanical relay (Max. DC 24 V/ 1 A)	8-channel mechanical relay (Max. DC 24 V/ 1 A)	8-channel mechanical relay (Max. DC 24 V/ 1 A)
<b>Other Interfaces</b>			
Ethernet <sup>*5</sup>	1000BASE-T/100BASE-TX/10BASE-T x4 (auto switching)	1000BASE-T/100BASE-TX/10BASE-T x4 (auto switching)	1000BASE-T/100BASE-TX/10BASE-T x4 (auto switching)
USB	USB2.0 x3 (front), USB2.0 x3 (rear)	USB2.0 x3 (front), USB2.0 x3 (rear)	USB2.0 x3 (front), USB2.0 x3 (rear)
Serial interface (for UPS)	RS-232C : D-sub 9-pin x1	RS-232C : D-sub 9-pin x1	RS-232C : D-sub 9-pin x1
Serial interface (for analog camera control) <sup>*6</sup>	RS-232C : D-sub 9pin x1, RS-422/485 x1	RS-232C : D-sub 9pin x1, RS-422/485 x1	RS-232C : D-sub 9pin x1, RS-422/485 x1
Serial attached SCSI (SAS1.1)	SFF-8088 (mini-SAS 26-pin) x1	SFF-8088 (mini-SAS 26-pin) x1	SFF-8088 (mini-SAS 26-pin) x1
<b>General</b>			
Dimensions (W x H x D)	430 x 87 x 417 mm (17 x 3 1/2 x 16 1/2 inches) excluding protrusions	430 x 87 x 417 mm (17 x 3 1/2 x 16 1/2 inches) excluding protrusions	430 x 87 x 417 mm (17 x 3 1/2 x 16 1/2 inches) excluding protrusions
Mass	Approx. 13.5 kg (29 lb 12 oz)	Approx. 12 kg (26 lb 7 oz)	Approx. 11.5 kg (25 lb 6 oz)
Power requirements	AC 100 V to 127 V/ 200 V to 240 V (50/60 Hz)	AC 100 V to 127 V/ 200 V to 240 V (50/60 Hz)	AC 100 V to 127 V/ 200 V to 240 V (50/60 Hz)
Power consumption	Approx. 265 W (Max. 350 W)	Approx. 185 W (Max. 350 W)	Approx. 175 W (Max. 350 W)
Operating temperature	5 to 40 °C (41 to 104 °F)	5 to 40 °C (41 to 104 °F)	5 to 40 °C (41 to 104 °F)
Operation humidity	20 to 80 %	20 to 80 %	20 to 80 %
Supplied accessories	Analog camera input cable (NSR-1050H only), Front panel key (2), Installation manual, First step guide, Monitoring window operations guide, Safety regulations, WEEE booklet, Warranty booklet, Rubber foot (4)		

<sup>\*1</sup> With 16 cameras connected. JPEG compression by a standard rate. <sup>\*2</sup> If requires optional NSBK-A16 for NSR-1200 and NSR-1100. <sup>\*3</sup> Total of all the channels. Maximum frame rate for one channel is 30 fps (NTSC)/ 25 fps (PAL). <sup>\*4</sup> More than one connector cannot be used at a time. <sup>\*5</sup> Port #1 and #2 are for connecting network cameras and controllers. Port #3 and #4 are for iSCSI. <sup>\*6</sup> VSCA (BRC-300, EVI-D70, EVI-D100) and Pelco-D are supported. <sup>\*7</sup> With optional NSBK-A16


### Hybrid Recorder NSR-1000 Optional Accessories




**NSRE-S200**  
HDD Expansion Unit




**Physical Capacity Recording Capacity**  
2 TB (500 GB x4)  
Approx. 1396 GB



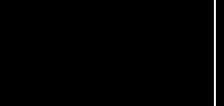
**RM-NS1000**  
System Controller













**NSBK-A16**  
Analogue Encoding Kit



**NSR-RM1**  
Rack Mount Kit



**NSRE-Si8/1**  
**NSRE-Si16/1**

	Full Function				Basic Function	
	1CH Box		4CH Box	4CH Blade	4CH Box	4CH Blade
	SNT-EX101	SNT-EX101E	SNT-EX104	SNT-EX154	SNT-EP104	SNT-EP154
						
<b>Codec image size (HxV)</b>	D1 (NTSC: 720 x 480, PAL: 720 x 576), VGA (640 x 480), CIF (384 x 288), QVGA (320 x 240)	D1 (NTSC: 720 x 480, PAL: 720 x 576), VGA (640 x 480), CIF (384 x 288), QVGA (320 x 240)	D1 (NTSC: 720 x 480, PAL: 720 x 576), VGA (640 x 480), CIF (384 x 288), QVGA (320 x 240)	D1 (NTSC: 720 x 480, PAL: 720 x 576), VGA (640 x 480), CIF (384 x 288), QVGA (320 x 240)	D1 (NTSC: 720 x 480, PAL: 720 x 576), VGA (640 x 480), CIF (384 x 288), QVGA (320 x 240)	D1 (NTSC: 720 x 480, PAL: 720 x 576), VGA (640 x 480), CIF (384 x 288), QVGA (320 x 240)
<b>Video compression format</b>	H.264, MPEG-4, JPEG	H.264, MPEG-4, JPEG	H.264, MPEG-4, JPEG	H.264, MPEG-4, JPEG	H.264, MPEG-4, JPEG	H.264, MPEG-4, JPEG
<b>Codec streaming capability</b>	Dual streaming (Any combination with JPEG/MPEG-4/H.264, including multiple streams of the same format)	Dual streaming (Any combination with JPEG/MPEG-4/H.264, including multiple streams of the same format)	Dual streaming (Any combination with JPEG/MPEG-4/H.264, including multiple streams of the same format)	Dual streaming (Any combination with JPEG/MPEG-4/H.264, including multiple streams of the same format)	Dual streaming (Any combination with JPEG/MPEG-4/H.264, including multiple streams of the same format)	Dual streaming (Any combination with JPEG/MPEG-4/H.264, including multiple streams of the same format)
<b>Maximum frame rate</b>	H.264/MPEG-4/JPEG: 30fps (NTSC: 720 x 480, PAL: 720 x 576)	H.264/MPEG-4/JPEG: 30fps (NTSC: 720 x 480, PAL: 720 x 576)	H.264/MPEG-4/JPEG: 30fps (NTSC: 720 x 480, PAL: 720 x 576)	H.264/MPEG-4/JPEG: 30fps (NTSC: 720 x 480, PAL: 720 x 576)	H.264/MPEG-4/JPEG: 30fps (NTSC: 720 x 480, PAL: 720 x 576)	H.264/MPEG-4/JPEG: 30fps (NTSC: 720 x 480, PAL: 720 x 576)
<b>PTZ control</b>	Yes	Yes	Yes	Yes	No	No
<b>Visibility Enhancer</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>Noise Reduction</b>	XDNR	XDNR	XDNR	XDNR	XDNR	XDNR
<b>Coaxitron® control</b>	Yes	Yes	Yes	Yes	No	No
<b>Serial interface</b>	RS-422/RS-485	RS-422/RS-485	RS-485	RS-485	-	-
<b>USB Memory slots</b>	x 1 <sup>*1</sup>	x 1 <sup>*1</sup>	x 4 <sup>*1</sup>	-	-	-
<b>Sensor input</b>	x 2	x 2	x 4	x 4	-	-
<b>Alarm output</b>	x 2	x 2	x 4	x 4	-	-
<b>Audio interface (IN/OUT)</b>	IN x 1, OUT x 1	IN x 1, OUT x 1	IN x 4, OUT x 4	IN x 1, OUT x 1	-	-
<b>Audio support</b>	Yes - Full Duplex	Yes - Full Duplex	Yes - Full Duplex	Yes - Full Duplex	No	No
<b>DEPA Advanced (Intelligence)</b>					No	No
<b>Dimensions (W x H x D)</b>	73 x 34 x 155 mm (2 7/8 x 1 3/8 x 6 1/8 inches)	73 x 34 x 155 mm (2 7/8 x 1 3/8 x 6 1/8 inches)	210 x 44 x 250 mm (8 3/8 x 1 3/4 x 9 7/8 inches)	78 x 34 x 382 mm (3 1/8 x 1 3/8 x 15 1/8 inches)	210 x 44 x 250 mm (8 3/8 x 1 3/4 x 9 7/8 inches)	78 x 34 x 382 mm (3 1/8 x 1 3/8 x 15 1/8 inches)
<b>Power requirements</b>	AC 24V in, with loop through output Input: AC 24V, +/- 20%	PoE (IEEE802.3af)	DC12 V	From Rack Station	DC12 V	From Rack Station

\*1 USB slots are inside the chassis, not on the front or rear panels.

These products include software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (<http://www.openssl.org>)

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